

WHOLESALE & EXPORT CATALOGUE No. 53.

Telephone :
London Wall 4449.

Codes :
A B.C. 5th Edition & Lieber's.

H. HART,

Telegraphic Address :
HART, LONDON WALL,
4449 LONDON.

Established 1860.

Partners { E. E. HART.
A. BINGHAM.

SHIPPERS TO ALL PARTS OF THE WORLD.

**29, SETTLES ST., COMMERCIAL ROAD,
LONDON, E.1.**

- - **Drain Clearing** - -

and Chimney Sweeping Machinery.

We can send any goods shown in this catalogue direct, per customers' "Own Labels," or "Plain Labels," and most orders can be despatched same day as received.

NEW ACCOUNTS.—Firms not having a Ledger Account should send Trade References with first order, failing which cash against Pro-Forma will be required.

CARRIAGE. Country—Carriage Paid on orders of £10 in value and over.
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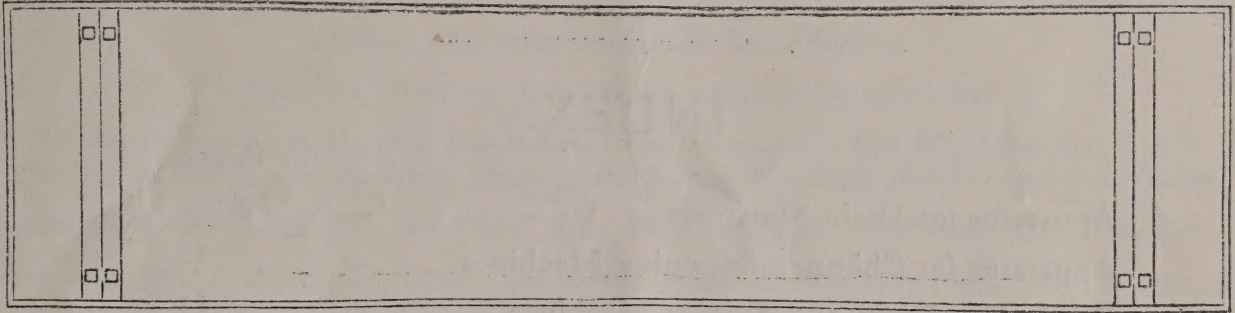
DISCOUNT
33 $\frac{1}{3}$ PER CENT.



22500835040

PRICE LIST

FROM



Drain Cleansing and Chimney Sweeping Apparatus

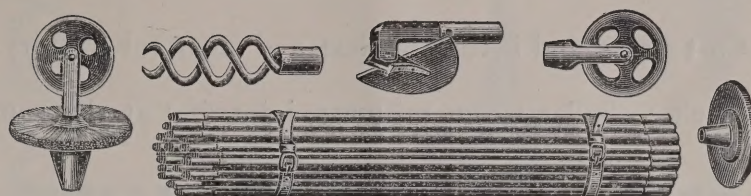
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DRAIN CLEANSING MACHINES.

**THE
COUNCIL**



MACHINE

No. 1

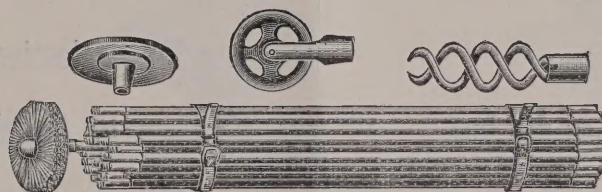
Fitted with Interchangeable Brass Screws.

Only best Whalebone, Iron Forgings and Brass Castings are used.

These Machines are supplied in 3 ft. stout Red Malacca Canes including 4 or 6 in. Whalebone Head, Double Worm Screw, 4 in. Drop Scraper, 4in. Rubber Plunger, Brass Clearing Wheel and pair of Strong Leather Straps.

30 ft. long, 40/6, 40 ft. long, 47/6, 50 ft. long, 57/-, 60 ft. long, 65/-, 70 ft. long, 72/-, 80 ft. long, 81/-.
90 ft. long, 88/-, 100 ft. long, 95/-, 150 ft. long, 136/-, 200 ft. long, 178/-, 300 ft. long, 256/-.

**THE
CONTRACTORS**



MACHINE

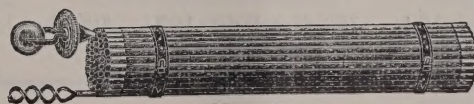
No. 2

A High-class Machine.

The above illustration shows a Machine suitable for Builders' and Contractors Heavy Work and consists of specially tested Red Malacca Canes, fitted with interchangeable brass Screws, rivetted on to canes, and includes Brass Clearing Wheel, Double Worm Screw, 4in. W.C. stout Rubber Plunger in brass fittings for unstopping W.C.'s, Drain Brush and Straps. Prices as follows :—

30 feet long, 30/6, 40 feet long, 36/6, 50 feet long, 44/-, 60 feet long, 51/-, 70 feet long, 57/-, 80 feet long, 65/-.
90 feet long, 71/-, 100 feet long, 77/-, 150 feet long, 112/-, 200 feet long, 147/-, 300 feet long, 213/-.

**THE
BUILDERS**



MACHINE

No. 3

Drain Clearing Machine, including good quality 3 feet Red Malacca Canes, fitted interchangeable brass screws with double worm screw, wood roller guide, 4 inch Plunger in Brass Cup and Cap, with Straps.
Special scraper for this machine similar to Fig. No. 19 1/6 extra.

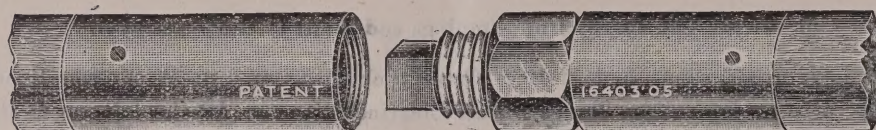
30 feet long, 21/-, 40 feet long, 25/6, 50 feet long, 32/-, 60 feet long, 36/6, 70 feet long, 42/-, 80 feet long, 48/-.
90 feet long, 53/-, 100 feet long, 58/-, 150 feet long, 84/-, 200 feet long, 110/-, 300 feet long, 160/-.

Prices for separate rods for above machines are shown on page 10.

The Locking Joint with Swivel Collar.

This Joint is made of Cast Brass and is the simplest and most satisfactory Locking Joint yet produced, being similar to an ordinary joint, but at the same time a

PERFECT LOCKING JOINT



The locking is accomplished by the square head engaging in a slot in the ferrule.

We particularly draw attention to the fact that there is nothing to get out of order :

No Springs.

No Loose Ferrules to get lost.

No Pins.

No projections on the outside

of ferrules.

No space where dirt can collect.

all of which are disadvantages to other locking joints on the market.

IT IS A SIMPLE AND EFFECTIVE JOINT.

No. 4

THE COUNCIL MACHINE, as No. 1, fitted with above Joint.

30 feet long, 54/6, 40 feet long, 64/6, 50 feet long, 78/6, 60 feet long, 88/6, 70 feet long, 99/6, 80 feet long, 112/6.

90 feet long, 123/6, 100 feet long, 134/6, 150 feet long, 192/6, 200 feet long, 250/6, 300 feet long 362/6.

No. 5

THE CONTRACTORS MACHINE, as No. 2, fitted with above Joint.

30 feet long, 43/6, 40 feet long, 52/6, 50 feet long, 64/6, 60 feet long, 73/6, 70 feet long, 82/6, 80 feet long, 94/6.

90 feet long, 103/6, 100 feet long, 113/6, 150 feet long, 164/6, 200 feet long, 215/6, 300 feet long, 317/6.

Prices for separate rods for above machines are shown on page 10.

DRAIN TOOLS.

An extra charge of 7d. per Tool is made if required to suit Swivel Collar Locking Joint.
Prices shown are for tools to suit ordinary brass screws.



No. 6
Double Worm
Screw with
Guide Wheel, 8/-



No. 7
Double Worm
Screw,
2/3



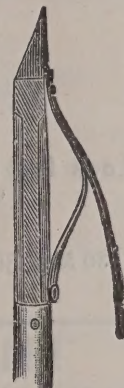
No. 8
Worm Screw
 $\frac{7}{16}$ " thread
1/4



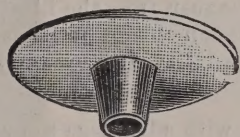
No. 9
Coring Iron
with Wheel,
7/6



No. 10
Steel Tipped
Coring Iron
3/-



No. 11
Spring
Hook
5/-



No. 12
Extra Stout India Rubber Plunger
with Leathers for W.C.'s
4 in. 5 in. 6 in.
2/6 3/3 4/-



Whalebone Brushes for
Drain Work,

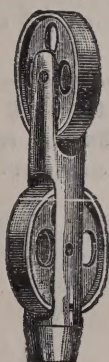
See Page 11



No. 13
Plunger and
Wood Clearing
Roller
3/4



No. 14
Flue and Boiler
Scraper, Half-round
6 x 4 in., 3/6
Square 6 x 6 in., 3/9



No. 15
Double
Clearing Wheel
7/6



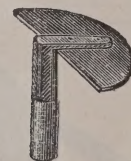
No. 16
Gun Metal
Roller
3/6



No. 17
New Pattern Jointed
Scraper with Guide Wheel,
8/-



No. 18
Jointed Scraper
4 ins. 2/3
6 ins. 3/-



No. 19
Fixed Scraper
4 ins. 2/-
6 ins. 2/9



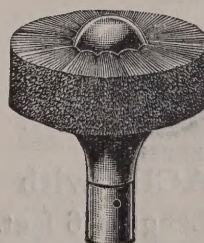
No. 20
Brass
Clearing Wheel
2/3



No. 21
Universal
Roller
4/6



No. 22
Universal Roller
with Worm Screw,
6/-



Bass Drain Brushes
See Page 11



No. 23
Archimedian Screw.
3/-
Short Pattern ditto,
2/-

Flexible Steel Drain Rods.

3 ft. x $\frac{3}{4}$ in. Spiral Spring.
No. 24.



Lock fast Joints.—It is impossible for these Rods to become detached when in use. To uncouple them it is only necessary to take a firm hold of the Rods, close up to the Joints, and unscrew them.

PRICES, with Three Fittings, as shown:—

30 feet 50/-. 40 feet 61/-. 50 feet 76/-. 60 feet 87/-. 70 feet 100/-. 80 feet 116/- 90 feet 126/-,
100 feet 140/- 150 feet 210/-.

THE FLEXIBLE SPRING DRAIN CLEANER.

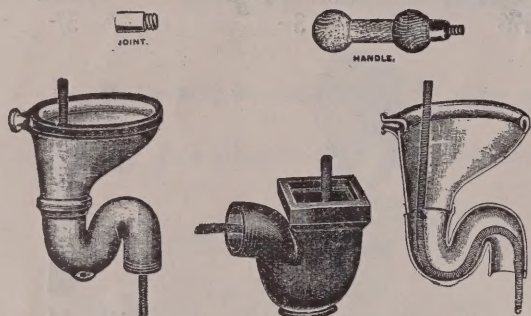
Invaluable to Plumbers, Builders, Local Authorities and Public Institutions.

No. 25

The "Flexible" Drain Cleaner is formed of the finest Steel Wire, closely coiled to transmit the thrust of the handle throughout the whole length.

It is still so flexible that, as will be seen from the illustration the cleaner may be passed through such abrupt bends as occur in a Gully or W.C. Trap—an impossibility with ordinary cane rods.

The "Cleaner" may be applied, with advantage to ordinary cane rods, and an Adaptor Joint is supplied with each set for this purpose.

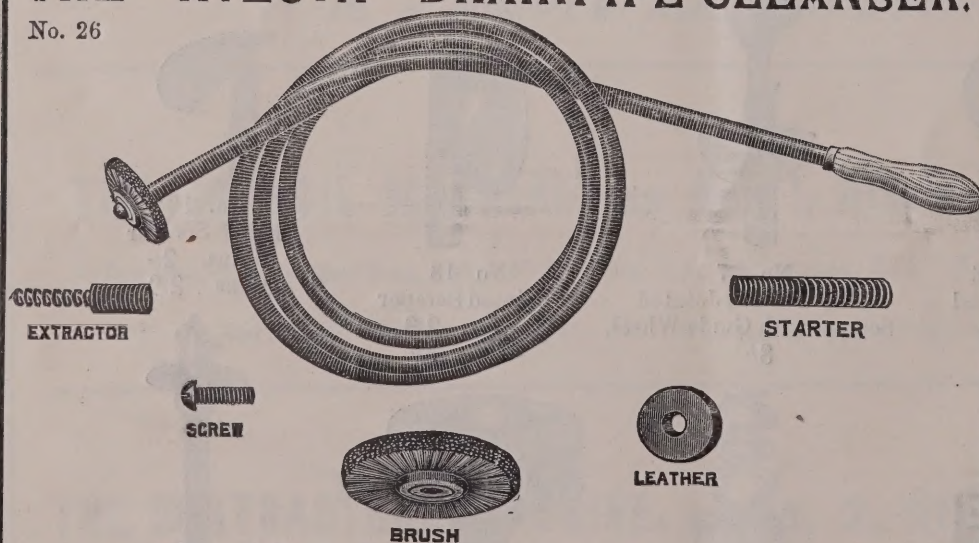


PRICES Per set 6 ft. long (in two 3 ft. lengths) including Handle, Adaptor Joint for cane rods, and Tool for unscrewing the Joints, without which the Joints cannot be undone under any circumstances.

In 1 inch diameter rods per set	13/6
$\frac{3}{4}$ " " " " "	12/-
$\frac{1}{2}$ " " " " "	9/-
Extra 3 feet lengths. 1 inch $\frac{5}{6}$ each, $\frac{3}{4}$ inch $\frac{4}{3}$ each,	
$\frac{1}{2}$ inch 3/- each.	

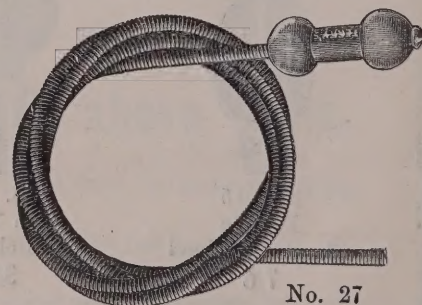
THE "AVECTA" DRAINPIPE CLEANER.

No. 26



6 ft. 10/6 EACH with all Accessories.
Extension Lengths 6 feet. 7/6 each.

THE MIDGET Lavatory Basin and Bath Cleanser.



No. 27

This little cleanser is invaluable in the bath-room and scullery for easily and instantaneously removing objectionable obstructions from the pipes of the Hand-basin, Bath, or Sink.

6 feet, 2/6	12 feet, 4/6
9 feet, 3/6	18 feet, 6/6

FLEXIBLE SPIRAL W.C. CLEANER.

Very handy where longer set is not necessary, 6/- each.



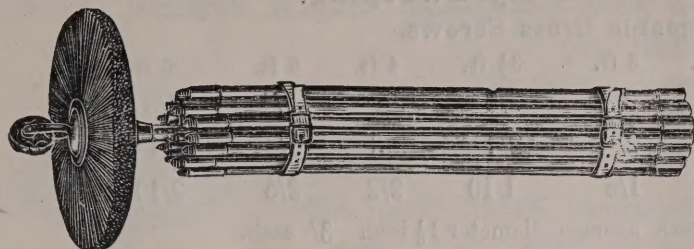
No. 28

CHIMNEY SWEEPING MACHINES.

CHIMNEY SWEEPING MACHINE.

Comprising 4 feet Best Red Malacca Canes, Straps and 18" Whalebone Head in Brass Wheel Fittings.

No. 29

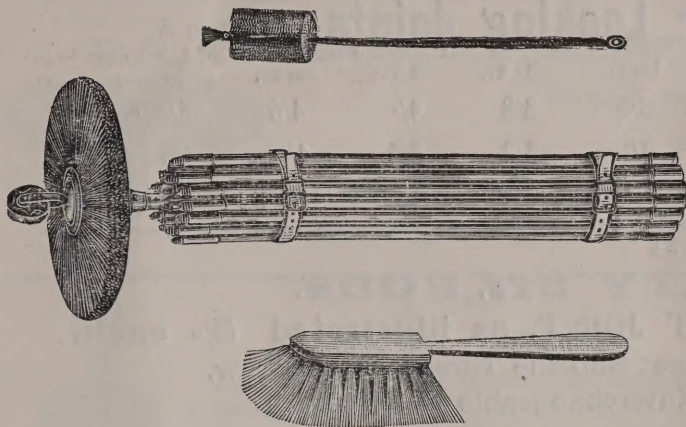


	£	s	d		£	s	d
30 feet	1	10	0	70 feet	2	17	0
40 feet	1	18	0	80 feet	3	5	0
50 feet	2	3	6	90 feet	3	10	6
60 feet	2	11	6	100 feet	3	18	6

If 18" Bass Brush is required instead of Whalebone price would be 4/- less.

CHIMNEY SWEEPING MACHINE.

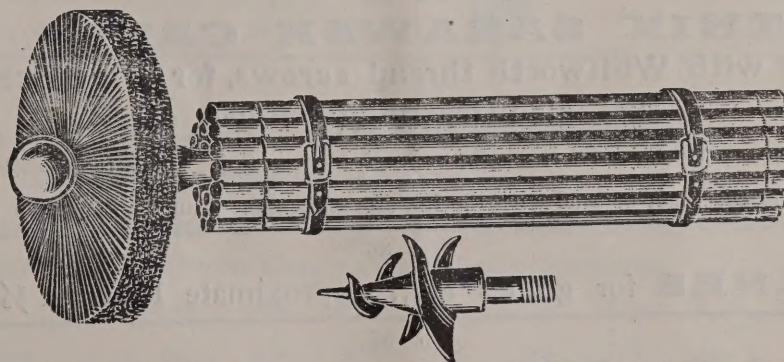
No. 30



Cut from the finest quality 4 ft. Red Malacca canes, and brass fittings, including 18 in best Whalebone head and large size chimney cloth, with cloth slide stretcher, Handbrush, Fluebrush, Shovel and Straps.

	£	s	d		£	s	d		£	s	d		£	s	d
30 feet	2	14	6	50 feet	3	9	6	70 feet	4	4	6	90 feet	4	19	6
40 feet	3	3	6	60 feet	3	18	6	80 feet	4	13	6	100 feet	5	8	6

No. 31



SPECIAL OFFER.

COMBINED MACHINE.

CHIMNEY SWEEPING AND DRAIN CLEARING MACHINE.

Complete as shown.

Comprising Best quality 3 ft. red malacca canes fitted best brass screws and sockets, with 18" bass chimney brush, archimedian screw for drain clearing with pair of straps.

30 ft.	40 ft.	50 ft.	60 ft.	70 ft.	80 ft.	90 ft.	100 ft.
27/6	33/6	41/6	47/6	54/-	62/-	68/-	74/- each.

Drain Clearing and Chimney Sweeping Rods.

No. 32

BEST QUALITY RED MALACCA CANES.

For Drain Cleansing and Chimney Sweeping.

Fitted with Interchangeable Brass Screws.

	2 ft.	2½ ft.	3 ft.	3½ ft.	4 ft.	5 ft.	6 ft.
Rods as "Council" Machine No. 1	2/2	2/3	2/4	2/8	3/-	3/4	3/8 each.
" " "Contractors" " No. 2	1/10	1/11	2/-	2/4	2/8	3/-	3/4 "
" " "Builders" " No. 3	1/4	1/5	1/6	1/10	2/2	2/6	2/10 "

3 feet extra stout rods for heavy sewer work average diameter 1½ inch 3/- each.

No. 33

Rods Fitted Swivel Collar Locking Joints as page 6

	2 ft.	2½ ft.	3 ft.	3½ ft.	4 ft.	5 ft.	6 ft.
As "Council" Machine No. 4	3/2	3/3	3/5	3/8	4/-	4/6	5/- each.
" " "Contractors" " No. 5	2/10	2/11	3/-	3/3	3/6	4/-	4/6 "

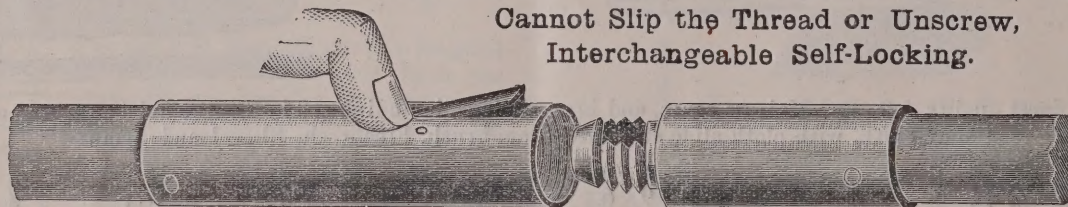
3 feet extra stout rods for heavy sewer work, average diameter 1½ inch fitted swivel collar locking joints 4/6 each.

No. 34

BEST QUALITY 3ft. RODS.

fitted with the SPRING LOCKFAST JOINT, as illustrated 5/- each.

Cannot Slip the Thread or Unscrew,
Interchangeable Self-Locking.



No. 35

THIN SARAWAK CANES.

Best quality fitted with Whitworth thread screws, for Electrical and Telephone Work, also Greenhouse Flues, etc.

3 feet	2/-	4 feet	2/3	5 feet	2/6	6 feet	2/8
--------	-----	--------	-----	--------	-----	--------	-----

These canes cannot be used with the full size sets, without an adaptor, price 2/3

No. 36

LONG CANES for gullies etc., approximate 14 feet x ½ inch 1/6 each.

No. 37

BEST QUALITY RED MALACCA CANES Unfitted.

Ends prepared to take sockets and joints trimmed.

	2 ft.	2½ ft.	3 ft.	3½ ft.	4 ft.	5 ft.	6 ft.
For "Council" Machines	10d.	11d.	1/1	1/4	1/6	1/9	2/- each.
" " "Contractors" "	9d.	10d.	11d.	1/2	1/4	1/7	1/10 "
" " "Builders" "	6d.	7d.	8d.	10d.	1/-	1/3	1/6 "

Old drain rods repaired. Refitting customers old screws to above rods, fitted and rivetted complete 8d. per pair.
Prices of brass sockets on page 12.

DRAIN AND SWEEPS BRUSHES

Fitted ordinary joints.

Lockfast joint 7d, extra.

No. 37

WHALEBONE HEAD Complete with Cup and Wheel for Drains and Chimneys (as Illustrated).

Best Quality, Unbreakable Whalebone.



No. 38

4 in.	6 in.	8 in.	9 in.	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	22 in.
7/-	7/3	7/4	7/6	8/9	9/3	9/6	10/-	10/6	11/6	12/- each

BASS HEADS, complete with Cup and Wheel (as Illustrated).

6 in.	8 in.	9 in.	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	22 in.
6/-	6/6	6/9	7/-	7/3	7/4	7/5	7/6	8/-	8/6 each

No. 39



WOOD STOCK BRUSHES for Chimney or Drain Work, fitted ordinary joint.

	4 in.	6 in.	9 in.	12 in.	14 in.	16 in.	18 in.	20 in.
Bass	2/8	2/8	2/9	3/6	3/9	4/3	4/5	4/10 each
Whalebone	4/9	4/9	5/-	5/3	5/6	5/9	6/3	7/- „

No. 40



**Brass Guide
Wheels**
to screw into
these Heads
2/- each

No. 41

A* NEW BRUSH.



The brush illustrated herewith is designed to pass quite easily into the smallest opening in chimney where it is difficult to get other types of brushes to enter. A 22 in. brush can be pushed with ease through a 4 in. pipe, with corresponding ease when working.

This brush is universally used by chimney sweeps.

Price complete with brass wheel : —

18 in., 6/-, 20 in., 6/3, 22 in., 6/6

No. 42



The rope brush as shown is used without rods for shaft work. It comprises Bass or Whalebone head in special fittings with 6 lb. iron ball and 90 ft. best quality rope. Extra rope 1d. per foot.

	18 in.	20 in.	22 in.
Bass	19/-	19/6	20/-
Whalebone	22/6	23/6	24/6

No. 43

SPRING CONNECTED FLEXIBLE BRUSHES.

The advantages claimed for these Brushes are—

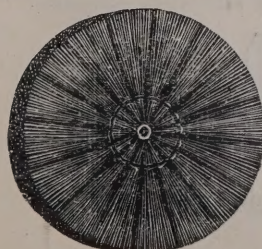
They cannot get **Fixed or Jammed** in the Flue when passing **Round Curves or Bends**, but work evenly all over the Flue, with considerably less labour.

		4 in.	6 in.	9 in.	12 in.	14 in.	16 in.	18 in.	20 in.
Flexible Brushes, in Bass	...	6/-	6/6	6/9	7/3	7/4	7/5	7/6	8/- each
„ „ in Whalebone		7/-	7/3	7/6	9/-	9/6	10/-	10/6	11/6 „



No. 44

REFILLS FOR CUPS AND WHEELS.



	4 in.	6 in.	8 in.	9 in.	10 in.	12 in.	14 in.	16 in.	18 in.	20 in.	22 in.
Bass	2/-	2/3	2/6	2/7	2/8	2/9	2/10	2/11	3/-	3/6	4/3 each
Whalebone	2/9	3/3	3/6	4/6	5/3	5/6	6/-	6/3	6/6	7/6	8/6 „

CHIMNEY SWEEPING APPARATUS.



No. 45
**Grappling
Iron**

6/6 each.



No. 46
**Best Quality
Steel Soot
Shovel,**
rivetted through
Handle

3/- each.



No. 47
**Brass Guide
Wheel**

to screw into Bass
Heads with wood
centre ... 2/- each



No. 48
Sweeps' Scraper

Half-round—
6 x 4 in. ... 3/6
Square—
6 x 6 in. ... 3/9



No. 49

Best Bristle Flue Brushes

4 ft. ... 4/9 each
5 ft. ... 5/- "
6 ft. ... 5/3 "

Special 4 ft. Bristle flue-brush 3/- each.



No. 50

**Ball and Rope Fittings
with Brass Plates
complete for Brushes**

4/- per set.

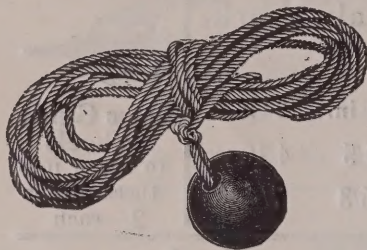


No. 51

**Hand Brushes, best Russian Bristle,
Flat or Round Handles,**

6/6, 7/-, 8/3 each.

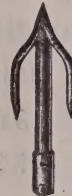
With Screw fitted, for use with Rods,
9d. extra.



No. 52

Strong Best Hempline
1d. per foot.

6 lb. Iron Ball's,
4/6 each.



No. 53

Nest Hook

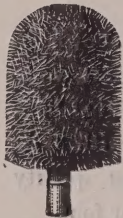
2/6 each.



No. 56

**Brass Cup and
Wheel ... 4/6
Small do. ... 4/3**

The fork sides are
brass with flange
to hold plate down
at correct angle.



No. 54

**Bass Turk's Heads
for Signboards with screw
to fit rods ... 6/9 each.**

Bristle, ditto 13/6



No. 55

Best Forged Stove Rake

40 inch long ... 2/6

No. 57 **CHIMNEY CLOTHS.** large Size about 6 ft. Square, with Cloth Slide Stretcher ... 14/-
Extra Large. 8 ft. x 6 ft. ... 17/-

No. 58

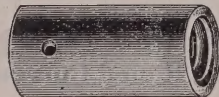


Cloth Slide Stretcher 3/6

No. 59

BRASS SCREWS.

**ORDINARY
UNIVERSAL**



**DRAIN
THREAD.**

No. 2 & 2½ ... doz. pairs 11/6

„ 3 & 3½ ... „ 12/6

„ 4 & 4½ ... „ 14/-

No. 5 & 5½ ... doz. pairs 16/-

„ 6 ... „ 18/-

„ 7 ... „ 20/-

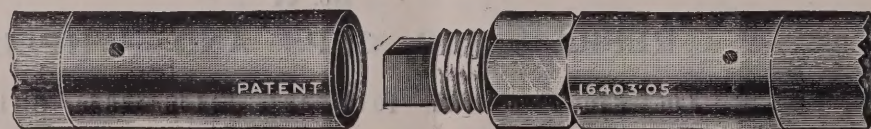
No. 8 ... doz. pairs 23/-

„ 9 ... „ 26/-

„ 10 ... „ 30/-

The Swivel Collar Locking Joint.

No. 60



No. 2 & 2½ doz. pairs 24/-

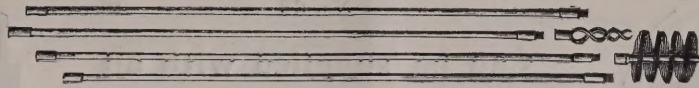
„ 5 & 5½ „ „ 29/-

No. 3 & 3½ doz. pairs 25/6

„ 6 & 6½ „ „ 31/-

No. 4 & 4½ doz. pairs 27/-

THE UTILITY MACHINE.



For sweeping Greenhouse or other small flues. Comprises a set of pliable Cane Rods (4 rods each 6 ft.) Whalebone Spiral Brush 4 or 6 inch diam. and double worm screw 1 inch diam.

Price 15/- each.

The sockets of the Utility machine will not work with the full size sweeps machine.

STEEL CABLE DRAIN RODS.

No. 62



These rods are made from the finest steel wire with metal core. Prices can be given for any lengths up to 100 ft. in one piece if required, and any Drain Cleansing Tools shown on page 3 can be used with same.

3 ft. lengths fitted with brass sockets, to fit ordinary drain rods 5/6 each,

No. 63

FLEXIBLE CANE RODS, sufficiently pliable for use in the most awkward Drains or Chimneys. Made from a number of small canes twisted together.



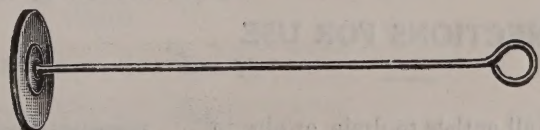
Prices with Ordinary Screw Joint	...	3 ft. long	4/6 each	4 ft. long	6/- each	5 ft. long	7/6 each.
Fitted with Locking Joint	...	3 ft. long	5/6 each	4 ft. long	7/- each	5 ft. long	8/6 each.

Gully Scoop with 4 ft. Ash Handle.



No. 64

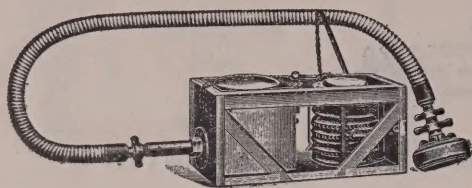
6 in. Bowl, Price 7/6 each.



No. 65

W.C. Force or Plunger, 2/-

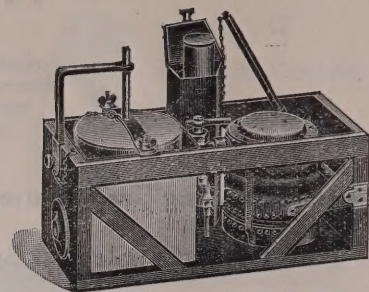
Drain Testing Apparatus.



No. 66

Can be supplied with all accessories.

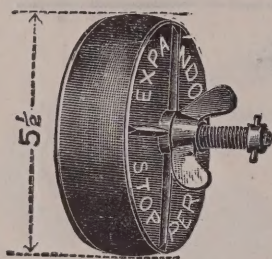
Prices on application.



No. 67

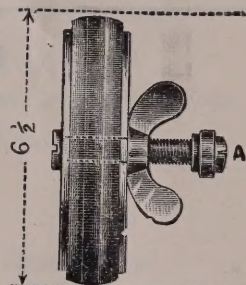
The Expanding Drain Stoppers.

For Testing Drains, Soil Pipes, Conduits or Jets with Water, Smoke, or Air.



Have been designed with a view to simplifying the plugging of drains. In whatever manner they may be used the rubber cannot be pinched between the iron disc, neither can they be fixed unequally or crooked in the pipe to be tested. These plugs are manufactured from the best materials. The working action is very easy. Plates are of best quality Galvanised Iron, Thumb Screw and Cap Brass, and best quality Rubber.

4 in. 6/9 6 in. ... 9/6 9 in. ... 22/6 12 in. ... 37/-



No 68

Moulded Rubber Rings for above Stoppers.

4 in. ... 2/- each. 6 in. ... 4/6 each. 9 in. ... 8/- each. 12 in. ... 13/- each.

"Flexible" Bag Stoppers.

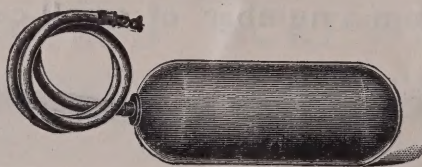
These cylindrical shaped Bags will be found most useful for stopping drains where position will not admit of the ordinary plug being used.

DIRECTIONS FOR USE.

Place the bag in drain-pipe, connect pump to tap, inflate bag to full extent by working pump, turn off air tap, fill drain with water, and watch for leakages.

To empty the drain, gradually remove pump and give the air tap half a turn.

No. 69



PRICES.
(Including 6 ft. Flexible Tube and Tap for connecting to Pump)

3 in.	4 in.	5 in.	6 in.
29/6	30/-	31/6	36/-
7 in.	8 in.	9 in.	12 in.
40/-	43/-	57/-	75/-
			97/6

BRASS PUMP.

to inflate bags, to fit all the above sizes, 16/- each.

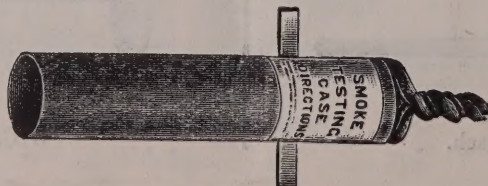
SELF-ACTING SMOKE CASE.

For Testing Drains and Soil Pipes.

DIRECTIONS FOR USE.

Close all outlets to drain or pipe to be tested. Light fuse and insert tester, at the same time close up the opening.

No. 70



PRICES.

Large size 16/6 per doz.

Small „ 14/- „ „

"TORNADO," "TYPHOON" and "CYCLONE"

Sanitary, Hydraulic Force and Lift Pumps.

"THE FORCE THAT MAKES WATER MOVE OBSTACLES."

FOR GENERAL HOUSEHOLD AND PLUMBERS' USE.

These Hydraulic Pumps will clear the most obstinate obstructions in Waste Pipes of Lavatory Basins, Sinks, Closets and Drains with surprising ease, even where the obstacle has refused to be dislodged by other treatment.



No. 71

The "TORNADO."

The "Tornado" Pump is primarily designed for domestic use, but it is also useful for Hotels, Hospitals, Warehouses, Ships, etc. It is of the best make and finish, all metal parts being made of **Solid Brass** with **Cast** fittings, and it has a black polished hardwood handle.

Price 18/- each.



No. 72

The "CYCLONE."

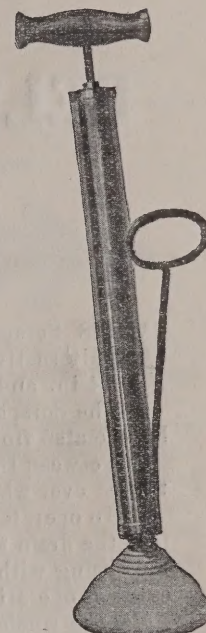
With Galvanised Zinc Barrel.
Complete with one 4 in. "Cyclone" Washer
Price 9/6 each.

No. 73

The "TYPHOON."

The "Typhoon" Pump is made with a **Heavy Brass Barrel**, 15 in. x 1½ in. of the best quality and finish with hand turned **Best Brass** Fittings, **Brass** plunger rod, internal spring against cap, wrought iron holder and best ebonized hardwood handle. There is no better or more powerful tool on the market.

Price 24/- each.



The "TORNADO."

Size of Barrel, 12 in. x 1 in.
Diameter of Washer, 4½ in.

The "CYCLONE."

With Galvanised Zinc Barrel.
Complete with one 4 in. "Cyclone" Washer
Price 9/6 each.

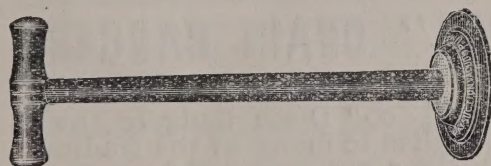
The "TYPHOON."

Size of Barrel, 15 in. x 1½ in.
Diameter of Washer, 5 in.

No. 74

SUCTION VACUUM PUMP.

This appliance is a Pump, and must be used as such. It cannot be used as a plunger.



It is not a Plunger to force obstructions down the pipe or drain and possibly make the block more effectual, but a pump which actually sucks out the foreign matter in a surprising manner. It may be taken that anything which may pass down and lodge in a W.C. drain, &c., can be withdrawn by the pump.

Price : 5½ in. diameter, 6/-.

No. 75

INDIA-RUBBER FORCE CUPS.

Best Moulded Rubbers, with Ebonised Polished Wood Handle and Fittings.

No. 1 Small Size, for Basins, Sinks,

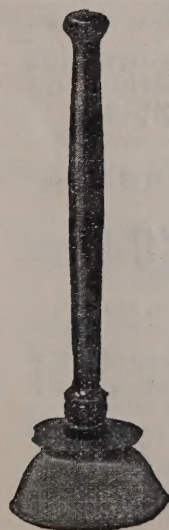
etc., 3½ in. diam. ... 1/6

No. 2 Medium Size, for Sinks,

Baths, etc., 4½ in. diam. ... 3/6

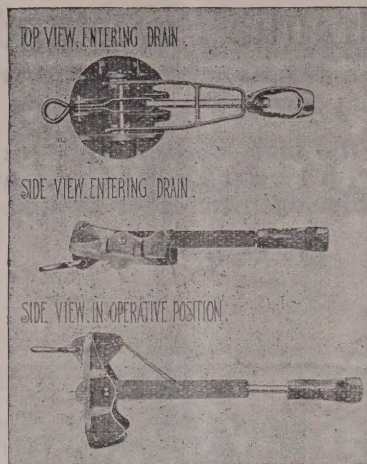
No. 3 Large Size, for Closets,

Drains, etc., 5½ in. diam. ... 5/-



The BELFAST

DRAIN SCRAPER



No. 76

THIS Scraper works on the same principle as the Belfast Sewer Scraper, but is operated by drain-rods or alternatively, with ropes. Two blades are supplied with each Scraper, making it suitable for pipes of 4 in. and 6 in. diameters.

The Scraper is fitted with a Screw Ferrule which mates with the screw of the ordinary drain-rod, and it can be operated from any suitable chamber or opening where rods can be used.

Between the Screw Ferrule and the working part of the Scraper there is a swivel joint to prevent it being turned over when the rods are rotated.

To operate the Scraper it is attached to drain-rods and, while in its closed position, pushed a short distance into the drain to be cleaned, the connecting link between the frame and the blade being kept uppermost; on the rods being withdrawn the Scraper opens up and brings with it any deposit between it and the point of entry. The cycle of operations is repeated as often as is necessary, the Scraper being pushed further into the drain each time until the whole length has been cleaned.

Care should be taken when inserting the Scraper not to advance it too far at a time, or there may be too much deposit to be easily withdrawn. If obstructions are encountered which prevent the withdrawal of the Scraper, they can usually be negotiated by pushing the Scraper a little forward so as to collapse it and again withdrawing it.

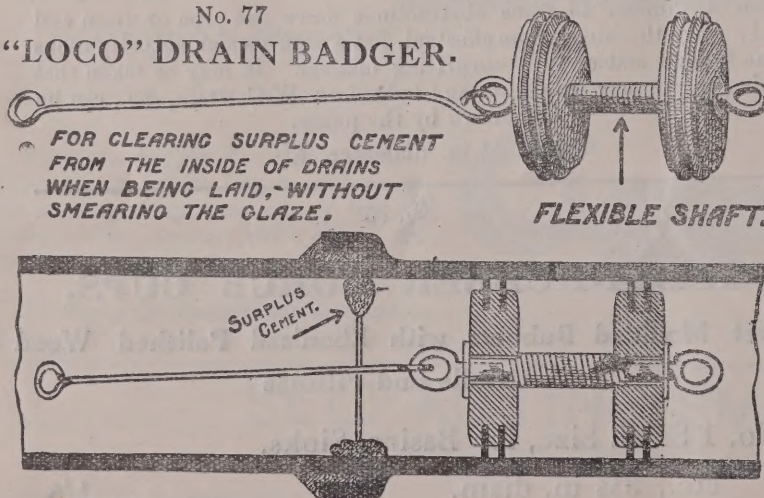
In cases where rods can first be passed through the drain between openings or manholes, the Scraper can be operated by ropes in the same way as the Sewer Scraper.

PRICE.

Scraper, complete with blades for 4-in. and 6 in. pipes. £3 0 0.

No. 77

"LOCO" DRAIN BADGER.



"LOCO" DRAIN BADGER.

The "Loco" Drain Badgers have been supplied to many of the leading Corporations, and over 3,000 are now in use.

The Badger Rings cut the overplus of cement off without smearing the glaze inside the drain pipes.

PRICE PER SET OF THREE for

4 in. Diam.	22/6
6 in. "	30/-
9 in. "	37/6

£4-10-0

The India-Rubber Rings when worn, can be replaced.

The difficulty experienced by superintending Engineers of ensuring the whole of the surplus cement being entirely removed from the interior of newly laid drains has been successfully overcome by the introduction of the "LOCO" Drain Badger.

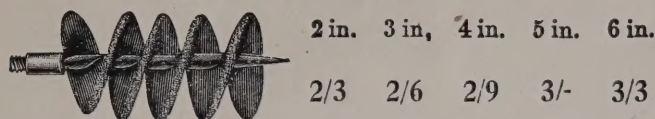
The "Badger" is inserted in the first pipe laid and is pulled forward as each joint is completed. The cement "crumbs" are thereby detached and drawn forward by the india-rubber rings, leaving the interior of the barrel free from obstruction, or being smeared with cement.

By using the ordinary Half-Circular Scraper, the cement is often not entirely removed from the Joints.

No. 78 SPIRAL BRUSHES.

with Brass Screw Fitted, for Boiler Tubes, Flues and Pipes.

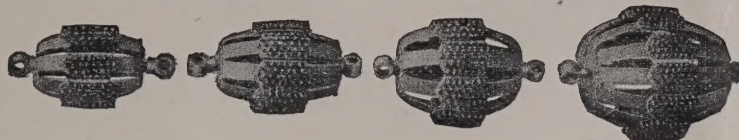
Steel Wire or Whalebone.



2 in. 3 in. 4 in. 5 in. 6 in.

2/3 2/6 2/9 3/- 3/3

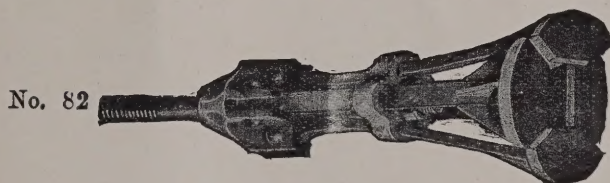
No. 80 HEDGEHOG BRUSHES.



The Simplex Hedgehog Brushes are made in sizes from 3 inches up to 24 inches diameter, and are suitable for cleaning water mains and other large pipes. Adjustment is provided for by screwing up the nut on the centre spindle. An eye is fitted to each end for attaching a wire rope or chain, and we can fit swivels, shackles, etc., as required.

4 in.	57/-	9 in.	82/6
5 in.	60/-	10 in.	90/-
6 in.	65/-	12 in.	105/-
7 in.	67/6	18 in.	202/-
8 in.	75/-	24 in.	375/-

PATENT TUBE SCRAPER.



No. 82

This scraper is pushed through the tube quite loosely, and scrapes only when being withdrawn. The arms are made from carbon steel stampings, are flexible, and so accommodate themselves to any irregularities of the tube. By means of the adjustable sleeve the scraper can be made to fit the tube as loosely or as tightly as desired. These scrapers are made in all sizes, increasing by eighths of an inch from 1½ inch upwards.

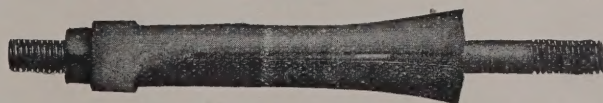
1½ to 2½ 15/- each, 2½, 2¾ 15/9 each, 2¾, 3 16/6 each.

3½, 3¾ 18/- each, 3¾, 3½ 19/- each, 3½, 3¾ 20/- each.

2 Arm Type 1½ 6/- each, 1¾ 6/9 each, 1¾ 7/6 each.

1½ 8/6 each.

No. 84 CONDENSER TUBE SCRAPER.



This is made of tempered steel and will remove fairly hard scale. By means of the screw and cone on the central rod the cutting edges are expanded to bear on the tube all round, while, owing to its form, the tool cannot tilt and damage the tube.

For ½, ⅝ or ¾ in. Tubes 14/6 each,

The Brushes and scrapers shown above can be used with iron rods with linked joints, or adaptors can be supplied for use with malacca cane rods, as page 10.

Steel Wire or Whalebone Draw Brushes.

Fitted with forged eyes each end as shown.

No. 79

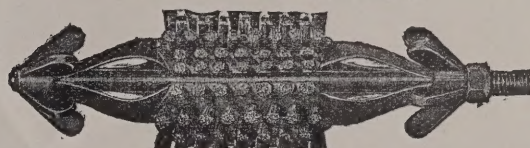


4 in. 5 in. 6 in. 9 in.

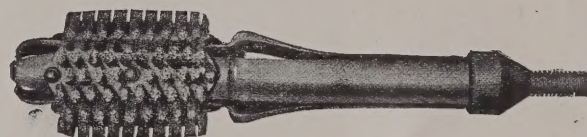
6/6 7/- 7/6 9/- each.

No. 81 PATENT TUBE BRUSH.

No. 1 Pattern Adjustable.



The Bristles are Hardened Steel, and, being short, do not bend down and make the brush useless after being pushed through a few tubes, as happens with the ordinary brush. A Fly Nut on each end of brush protects the bristles when entering the tube, and by screwing it up the Brush can be expanded. This enables Engineers to adjust the Brush to suit their requirements. It also enables the Brush to fit the tube and clean it efficiently right to the end of the life of the Brush. Sufficient elasticity has been provided in the Brush to clean the tube thoroughly while adapting itself to all inequalities.



No. 83

No. 2 Pattern—Self-Adjusting.

The Arms are made of stiff steel, and their elasticity permits the Brush to adjust itself to any inequalities of the tube while maintaining a pressure over its surface. The form of the arm allows any soot that may enter at end of Brush to drop out. The Bristles are hardened steel and stand up to their work.

No. 1 or 2 Pattern.

1½ in. to 2 in. 12/- each. 2½ in. to 2¾ in. 12/9 each.

3 in. to 3½ in. 13/6 each. 3½ in. to 4 in. 15/- each.

No. 85 CONDENSER TUBE BRUSH.



The Simplex Brush has the Bristles made of hardened steel, hard brass or soft brass wire as preferred, and effectually removes slime or mud, while for harder deposit the Simplex Expanding Scraper is recommended.

For ½, ⅝ or ¾ in. tubes, Steel Bristles 3/9 each.

Brass „ 4/6 „

Flexible spring steel rods can be used with the Condenser tube brushes and scrapers.

Price per 3 ft. length 4/3

